

Medical University Innsbruck
Institut for Medical Biochemie
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MEDIZINISCHE
UNIVERSITÄT

INNSBRUCK



JOB ADVERTISEMENT

Univ.-Ass. Postdoc

third-party funded, classification in B1/03, 100 %, initially limited to two years

Call for a scientific collaborator – Stimulating regulatory uptake of an innovative platform for cardiotoxicity evaluation

REQUIREMENTS:

- completed relevant PhD or doctoral studies

DESIRED:

- experience with the AOP concept and/or IATA development
- willing to work independently in the context of the research project and to collaborate with different European partners
- interest in non-animal methods
- result and solution-oriented working
- precise, enterprising and stress resistant
- good communication skills (incl. written reporting, scientific presentation)
- able to work independently
- excellent knowledge of English

TASK DESCRIPTION:

You will be responsible for the work package 'Regulatory uptake' within the European research project 'environmentAL Toxicology of chEmical mixtuRes through aN innovATIVE platform based on aged cardiac tissue model' (ALTERNATIVE) (36 months).

You will collaborate with different international partners of the ALTERNATIVE project and in particular a close collaboration between the Medical University of Innsbruck/Austria and SCIENSANO in Brussels/Belgium is envisaged for the work on this regulatory work package.

ALTERNATIVE will develop an innovative platform able to detect the cardiotoxicity of chemicals and their biotransformation products. The novel platform will enable regulators and industry to identify, quantify and prevent cardiotoxic co-exposures to industrial chemicals and pharmaceuticals in a cost-effective way. The platform will consist of a three-dimensional tissue engineering in-vitro model mimicking the human cardiac tissue, coupled with a reliable, high-throughput monitoring system based on multi-omics analyses, and integrated into a Machine Learning (ML) risk assessment tool.

Within the project, the Medical University Innsbruck is responsible for ensuring that the developed platform meets the regulatory needs and to stimulate its regulatory uptake. To this extent, the platform will be developed within the adverse outcome pathway framework and its place within an integrated approach for testing an assessment will be defined.

YOUR TASKS WILL INCLUDE:

- collection of information on chemicals inducing cardiotoxicity
- documentation of regulatory needs for cardiotoxicity non-animal-methods and data
- development of novel and/or extension of existing AOPs for cardiotoxicity
- linking of information collected with the ALTERNATIVE platform to the AOPs
- designing the outline of an IATA for cardiotoxicity
- drafting of guidance for regulatory use of cardiotoxicity data collected with the ALTERNATIVE platform
- participating in project meetings
- presentation of research results at congresses and valorisation in peer reviewed publications

SALARY:

The minimum monthly salary for this position is currently € 3.945,90 gross (14 x per year) and may possibly be increased based on collective agreement regulations as well as other remuneration components related to the specifics of the job.

The post-doc will join the Institute of Medical Biochemistry at the Medical University in Innsbruck/Austria, for 24 months, 40 hours per week, starting around March 2022. A working regime less than 40 hours per week for a longer time period would also be possible.

APPLICATION:

If you are interested in working for the most important medical research and educational institution in Western Austria, please send your application digitally in German or English, including CV, motivation letter and attachments, by 15.11.2021 to: martin.paparella@i-med.ac.at (Cc: hanife.akay@i-med.ac.at).

Non-EU citizens must fulfil the relevant Austrian legal requirements regarding residence and work permits.

Applicants are not entitled to compensation for travel expenses with reference to this tender. The Medical University of Innsbruck is an equal opportunity employer.

We seek candidates who embrace and reflect diversity and encourage minorities/women/individuals with disabilities to apply.

In case of inconsistencies between the German and the English versions of this tender, the legally binding version is the German one.

Please do not hesitate to contact us for Further information about the Medical University of Innsbruck and the job advertisement.

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